

PRELIMINARY AMENDMENT
Divisional of U.S. Appln. No. 09/255,699 (*Q66129*)

AMENDMENTS TO THE SPECIFICATION:

Amend the specification by inserting before the first line the sentence:

This is a divisional of Application No. 09/255,699 filed February 23, 1999, the disclosure of which is incorporated herein by reference.

Page 12, delete the third full paragraph and insert the following new paragraph:

Further, a sub-tank 338 for storing water which is supplied from the water bottle 332 is disposed at the right side of the spray tank 312, a water supplying pipe ~~342-344~~ extends from the filter 334 to the sub-tank 338.

Delete the paragraph bridging pages 12-13 and insert the following new paragraph:

A water supplying pipe 346, which connects the sub-tank 338 and a side end portion of the ~~injection-spray~~ tank 312, is disposed therebetween. The spray tank 312 is filled with water which has been pumped from the water bottle 332 by the pump 336, through the filter 334, the sub-tank 338, the water supplying pipe 346, and the like.

Page 17, delete the second full paragraph and insert the following new paragraph:

The frames 314 are made from metallic materials such as aluminum, brass, magnesium, and the like. Further, as is shown in Fig. [[4]]6, the specific sizes of the lever plates 320 and the supporting portions 312B are such that each of the lever plates 320 has a thickness D which ranges from 2 mm to 8 mm, the thickness t of a hinge being the width of each of the supporting portions 312B ranges from 0.2 mm to 1 mm, and the height H of a hinge which is the height of each of the supporting portions 312B ranges from 0.6 mm to 3 mm.

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Delete the paragraph bridging pages 22-23 and insert the following new paragraph:

While ~~an unillustrated monitoring camera~~ a monitoring camera 400 being moved from one end of the other end of the transparent member 312C in the longitudinal direction thereof, the internal portion of the spray tank 312 which has been filled with water can be photographed by scanning. The photographed image is fetched by an image processor, is subjected to image processing, and the existence of residual bubbles can be detected thoroughly.

Delete the paragraph bridging pages 24-25 and insert the following new paragraph:

Thirdly, in the spray tank 312 which is shown in Fig. 12, each of the sealing plates 328 which are disposed at the longitudinal end portions of the spray tank 312 is formed from a transparent member. A light emitting apparatus 358 is disposed at the side of one of the sealing plates 328, while a light receiving apparatus 360 is disposed at the side of the other. The entire internal portion of the space 350 of the spray tank 312 is scanned with light such as laser light or the like emitted from the light emitting apparatus 358 with no gaps. The amount of light when light such as laser light or the like is incident in the light receiving apparatus 360 is detected. When light such as laser light or the like which has been emitted by the light emitting apparatus 358 is transmitted through water with which the space 350 of the spray tank 312 is filled, if there is a bubble F, a light path is thereby blocked. The amount of the light received by the light receiving apparatus ~~300-360~~ is changed and thereby decreases. By making use of this change, means for detecting the existence of the bubble F is structured.